

INTERNATIONAL SEARCH REPORT

PCT/US2004/016641

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61L15/24 A61L15/26 A61L15/28 A61L26/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/91685 A (KIMBERLY CLARK CO) 6 December 2001 (2001-12-06) abstract page 1, line 5 - line 9 page 9, line 11 - line 15 page 11, line 14 - page 12, line 5 page 16, line 11 - line 23 claims 1-37	1-16
A	EP 1 013 291 A (MCNEIL PPC INC) 28 June 2000 (2000-06-28) abstract page 3, line 18 page 5, line 15 - line 18 claims 1-11 figure 6	1-16
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

4 November 2004

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15/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 593 399 A (TANZER RICHARD W ET AL) 14 January 1997 (1997-01-14) cited in the application abstract figures 1-14 figure 17 column 1, line 49 - column 4, line 14 claims 1-33	1-16
A	US 6 417 425 B1 (ENGELHARDT FRITZ ET AL) 9 July 2002 (2002-07-09) cited in the application abstract column 2, line 42 - line 56 examples 1-20 claims 1-4	1-16
A	EP 0 763 364 A (NIPPON CATALYTIC CHEM IND) 19 March 1997 (1997-03-19) cited in the application abstract page 1, line 3 - page 2, line 11 claims 1-17 figure 1	1-16
A	US 4 944 963 A (VASSALLO JAYSON C ET AL) 31 July 1990 (1990-07-31) cited in the application abstract column 4, line 4 - line 13 claims 1-4	1-16
A	US 5 641 561 A (HANSEN MICHAEL R ET AL) 24 June 1997 (1997-06-24) cited in the application abstract figure 4 claims 1-37	1-16

INTERNATIONAL SEARCH REPORT

PCT/US2004/016641

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0191685	A	06-12-2001	US 6600086 B1	29-07-2003
			AU 6305801 A	11-12-2001
			BR 0111309 A	10-02-2004
			DE 10196297 T0	09-10-2003
			GB 2380413 A ,B	09-04-2003
			MX PA02011837 A	10-04-2003
			WO 0191685 A1	06-12-2001
EP 1013291	A	28-06-2000	AU 768305 B2	04-12-2003
			AU 6441799 A	22-06-2000
			BR 9907422 A	03-10-2000
			CA 2292834 A1	21-06-2000
			CN 1261090 A	26-07-2000
			EP 1013291 A1	28-06-2000
			JP 2000204333 A	25-07-2000
			ZA 9907774 A	20-06-2001
US 5593399	A	14-01-1997	AU 677727 B2	01-05-1997
			AU 8018094 A	22-05-1995
			CA 2116953 A1	30-04-1995
			DE 9422270 U1	02-09-1999
			DE 69417249 D1	22-04-1999
			DE 69417249 T2	23-09-1999
			EP 0725615 A1	14-08-1996
			ES 2129677 T3	16-06-1999
			FR 2711519 A1	05-05-1995
			GB 2283679 A ,B	17-05-1995
			JP 9504206 T	28-04-1997
			JP 3392872 B2	31-03-2003
			WO 9511651 A1	04-05-1995
			ZA 9407445 A	15-05-1995
US 6417425	B1	09-07-2002	AT 273034 T	15-08-2004
			BR 0107973 A	05-11-2002
			CA 2333212 A1	01-08-2001
			DE 60104818 D1	16-09-2004
			EP 1251886 A2	30-10-2002
			EP 1470827 A2	27-10-2004
			WO 0156625 A2	09-08-2001
			JP 2003521349 T	15-07-2003
			MX PA00010845 A	25-04-2003
			US 2003045847 A1	06-03-2003
EP 0763364	A	19-03-1997	DE 69629081 D1	21-08-2003
			DE 69629081 T2	27-05-2004
			EP 0763364 A2	19-03-1997
			JP 9137072 A	27-05-1997
			US 5853867 A	29-12-1998
			JP 10076589 A	24-03-1998
US 4944963	A	31-07-1990	US 4933390 A	12-06-1990
			AR 248147 A1	30-06-1995
			AU 601367 B2	13-09-1990
			AU 5921786 A	08-01-1987
			BR 8602951 A	17-02-1987
			CA 1281837 C	19-03-1991
			DK 309286 A	29-12-1986
			EP 0206358 A2	30-12-1986

INTERNATIONAL SEARCH REPORT

PCT/US2004/016641

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4944963	A		ES 2000206 A6	16-01-1988
			GR 861668 A1	30-10-1986
			KR 9003914 B1	04-06-1990
			MX 163979 B	07-07-1992
			NZ 216561 A	29-11-1988
			PH 23193 A	29-05-1989
			ZA 8604802 A	24-02-1988
<hr/>				
US 5641561	A	24-06-1997	US 5543215 A	06-08-1996
			US 5538783 A	23-07-1996
			US 5300192 A	05-04-1994
			US 5352480 A	04-10-1994
			US 5308896 A	03-05-1994
			US 2002025435 A1	28-02-2002
			US 2002164375 A1	07-11-2002
			US 6071549 A	06-06-2000
			US 6340411 B1	22-01-2002
			US 5547541 A	20-08-1996
			US 5807364 A	15-09-1998
			US 2003201051 A1	30-10-2003
			US 6395395 B1	28-05-2002
			US 6521339 B1	18-02-2003
			US 5998032 A	07-12-1999
			US 6596103 B1	22-07-2003
			US 6461553 B1	08-10-2002
			US 2001021453 A1	13-09-2001
			US 2002096291 A1	25-07-2002
			US 2002096292 A1	25-07-2002
			AT 225708 T	15-10-2002
			AT 224808 T	15-10-2002
			AU 5019893 A	15-03-1994
			AU 5019993 A	15-03-1994
			BR 9306920 A	12-01-1999
			BR 9306921 A	12-01-1999
			CA 2140263 A1	03-03-1994
			CA 2140264 A1	03-03-1994
			DE 69332336 D1	31-10-2002
			DE 69332336 T2	30-01-2003
			DE 69332380 D1	14-11-2002
			DE 69332380 T2	13-02-2003
			EP 1217120 A1	26-06-2002
			EP 1219744 A1	03-07-2002
			EP 0655970 A1	07-06-1995
			EP 0655971 A1	07-06-1995
			ES 2182830 T3	16-03-2003
			ES 2181693 T3	01-03-2003
			JP 8500270 T	16-01-1996
			JP 3497166 B2	16-02-2004
			JP 3539957 B2	07-07-2004
			JP 8500271 T	16-01-1996
			NZ 255814 A	25-06-1996
			NZ 255815 A	26-03-1996
			WO 9404351 A1	03-03-1994
			WO 9404352 A1	03-03-1994
			US 5693411 A	02-12-1997
			US 5672418 A	30-09-1997
			US 5547745 A	20-08-1996
			US 5607759 A	04-03-1997